

PATENT
Atty. Dkt. No. PH-7038

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re appln. of: Wong)	
)	
U.S. Serial No.: 09/519,188)	
)	
Filed: 03/06/2000)	Examiner: Kim, V.
)	
For: Treatment of Thrombosis by)	
Combined Use of a Factor Xa)	
Inhibitor and Aspirin, Tissue)	Art Unit: 1614
Plasminogen Activator (TPA))	
a GPIIb/IIIa Antagonist, Low)	
Molecular Weight Heparin or)	
Heparin)	

Hon. Commissioner of
Patents and Trademarks
Washington, D.C. 20231

DECLARATION UNDER 37 CFR 1.131

1. This declaration is to establish completion of the invention in this application in the United States, at a date prior to September 10, 1998, which is the earliest effective date of the 102(a) reference (Cariou et al. CA 2199642) that was cited by the Examiner.
2. The person making this declaration is the inventor.
3. The inventor conceived of the invention prior to the earliest effective date of said reference cited by the Examiner and was diligent from prior to the effective date to a subsequent reduction to practice.
4. To establish the date of completion of the invention of this application, a photocopy of a notebook entry is submitted herewith as "EXHIBIT A" as evidence.

5. From this document it can be seen that the invention in this application was made prior to the earliest effective date of the references cited by the Examiner.
6. The inventor was diligent from the time of conception of the invention till the invention was actually reduced to practice and through the date the application was filed with the U.S. Patent Office.
7. This declaration is being submitted prior to final rejection.
8. As a person signing below I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole inventor: Pancras C. Wong

Inventor's signature: Pancras Wong

Date: July 25, 2003

Country of Citizenship: United States

Residence: 105 Grovers Mill Road, Plainsboro, NJ 08536

Post Office Address: 105 Grovers Mill Road, Plainsboro, NJ 08536

SL 1590 43

EXHIBIT ACONT. FROM p.
DIRECTED BY

TO p.

DATE
SUBJECT

Claim - ^{two different} Coadministration of ~~an~~ anticoagulants ^{with different sites of} ~~and an antiplatelet~~ ^{action} would be synergistic in preventing thrombus formation for the treatment of thrombosis.

CLAIM
OBJECT

Claim - Coadministration of an anticoagulant and an antiplatelet agent would be ~~also~~ synergistic in preventing thrombus formation for the treatment of thrombosis.

Proposed studies (possible synergistic, antithrombotic activity of a coadministration of a fxa inhibitor such as SF 303 and a thrombin inhibitor such as XU 817 at their subthreshold doses. Heparin will also be examined)

② To examine possible synergistic, antithrombotic activity of fxa inhibitor such as SF 303 and an antiplatelet agent such as G IIb/IIIa inhibitor or thrombin-thrombosane A₂ receptor inhibitor or thrombosane synthase inhibitor or a cyclooxygenase dependent platelet inhibitor such as aspirin or PGI₂ analogs or Coumarin derivatives.

③ To check GP IIb/IIIa inhibition and fxa inhibition in a guinea pig thrombosis model.

④ Another claim - fxa ^{inhibitor} such as SF 303 and direct thrombin inhibitor such as XU 817 would be useful as adjuncts to thrombolytic therapy with tPA. Claim ~~that~~ a fxa inhibitor or a direct thrombin inhibitor ~~used~~ together with tPA to induce thrombolysis would lower the dose of tPA needed to induce thrombolysis.

EXPERIMENTER
WITNESS

Pamela Wong
Elvira M. Zappal

DATE
DATE